

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315
COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 581
MONITORING PERIOD : 2021-11-01 To: 2021-11-30
REPORTING LAB: Masi Labs
ANALYST: Charel Rex
NO DISCHARGE INDICATOR:

PARAMETER	pH	Ammonia (NH3) In Sludge	Nitrogen Kjeldahl, Total In Sludge	Phosphorus, Total In Sludge	Potassium In Sludge	Arsenic, Total In Sludge	Cadmium, Total In Sludge
PARAMETER CODE	00400	00611	00627	00668	00938	01003	01028
UNITS	S.U.	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING TYPE	Composite	Composite	Composite	Composite	Composite	Composite	Composite
2021-11-01							
2021-11-02							
2021-11-03							
2021-11-04							
2021-11-05							
2021-11-06							
2021-11-07							
2021-11-08	7.740	1150	12500	27700	10200	6	AA5.0
2021-11-09							
2021-11-10							
2021-11-11							
2021-11-12							
2021-11-13							
2021-11-14							
2021-11-15							
2021-11-16							
2021-11-17							
2021-11-18							
2021-11-19							
2021-11-20							
2021-11-21							
2021-11-22							
2021-11-23							
2021-11-24							
2021-11-25							
2021-11-26							
2021-11-27							
2021-11-28							
2021-11-29							
2021-11-30							
Minimum	7.74	1150.0	12500.0	27700.0	10200.0	6.0	0.0
Maximum	7.74	1150.0	12500.0	27700.0	10200.0	6.0	0.0
Average		1150	12500	27700	10200	6	0
Count	1	1	1	1	1	1	1
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time	
Jeffrey Williamson						Certification Version Date 2021-12-20 11:12	

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FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 581
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Masi Labs
ANALYST: Charel Rex
NO DISCHARGE INDICATOR:

PARAMETER	Copper, Total In Sludge	Lead, Total In Sludge	Nickel, Total In Sludge	Zinc, Total In Sludge	Selenium, Total In Sludge	Sludge Fee Weight	Sludge Weight
PARAMETER CODE	01043	01052	01068	01093	01148	51129	70316
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	dry tons	Dry Tons
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING TYPE	Composite	Composite	Composite	Composite	Composite	Total	Total
2021-11-01							
2021-11-02							
2021-11-03							
2021-11-04							
2021-11-05							
2021-11-06							
2021-11-07							
2021-11-08	71	AA5.0	15	178	AA5.0	AA5.0	AA5.0
2021-11-09							
2021-11-10							
2021-11-11							
2021-11-12							
2021-11-13							
2021-11-14							
2021-11-15							
2021-11-16							
2021-11-17							
2021-11-18							
2021-11-19							
2021-11-20							
2021-11-21							
2021-11-22							
2021-11-23							
2021-11-24							
2021-11-25							
2021-11-26							
2021-11-27							
2021-11-28							
2021-11-29							
2021-11-30							
Minimum	71.0	0.0	15.0	178.0	0.0	0.0	0.0
Maximum	71.0	0.0	15.0	178.0	0.0	0.0	0.0
Average	71	0	15	178	0	0	0
Count	1	1	1	1	1	1	1
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.				Signature of Responsible Official or Authorized Representative		Submission Date/Time
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 Cardington, OH 43315

COUNTY: Morrow
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STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 581
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Masi Labs
ANALYST: Charel Rex
NO DISCHARGE INDICATOR:

PARAMETER	Mercury, Total In Sludge	Molybdenum In Sludge				
PARAMETER CODE	71921	78465				
UNITS	mg/kg	mg/kg				
FREQUENCY	1/Month	1/Month				
SAMPLING TYPE	Composite	Composite				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04						
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08	.17	7				
2021-11-09						
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18						
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23						
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29						
2021-11-30						
Minimum	0.17	7.0				
Maximum	0.17	7.0				
Average	0.17	7				
Count	1	1				
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time
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LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 582
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB:
ANALYST:
NO DISCHARGE INDICATOR: AL

PARAMETER	pH	Ammonia (NH3) In Sludge	Nitrogen Kjeldahl, Total In Sludge	Phosphorus, Total In Sludge	Potassium In Sludge	Arsenic, Total In Sludge	Cadmium, Total In Sludge
PARAMETER CODE	00400	00611	00627	00668	00938	01003	01028
UNITS	S.U.	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING TYPE	Composite	Composite	Composite	Composite	Composite	Composite	Composite
2021-11-01							
2021-11-02							
2021-11-03							
2021-11-04							
2021-11-05							
2021-11-06							
2021-11-07							
2021-11-08							
2021-11-09							
2021-11-10							
2021-11-11							
2021-11-12							
2021-11-13							
2021-11-14							
2021-11-15							
2021-11-16							
2021-11-17							
2021-11-18							
2021-11-19							
2021-11-20							
2021-11-21							
2021-11-22							
2021-11-23							
2021-11-24							
2021-11-25							
2021-11-26							
2021-11-27							
2021-11-28							
2021-11-29							
2021-11-30							
Minimum							
Maximum							
Average							
Count							
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time	
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 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 582
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB:
ANALYST:
NO DISCHARGE INDICATOR: AL

PARAMETER	Copper, Total In Sludge	Lead, Total In Sludge	Nickel, Total In Sludge	Zinc, Total In Sludge	Selenium, Total In Sludge	Sludge Fee Weight	Sludge Weight
PARAMETER CODE	01043	01052	01068	01093	01148	51129	70316
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	dry tons	Dry Tons
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING TYPE	Composite	Composite	Composite	Composite	Composite	Total	Total
2021-11-01							
2021-11-02							
2021-11-03							
2021-11-04							
2021-11-05							
2021-11-06							
2021-11-07							
2021-11-08							
2021-11-09							
2021-11-10							
2021-11-11							
2021-11-12							
2021-11-13							
2021-11-14							
2021-11-15							
2021-11-16							
2021-11-17							
2021-11-18							
2021-11-19							
2021-11-20							
2021-11-21							
2021-11-22							
2021-11-23							
2021-11-24							
2021-11-25							
2021-11-26							
2021-11-27							
2021-11-28							
2021-11-29							
2021-11-30							
Minimum							
Maximum							
Average							
Count							
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time	
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LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 582
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB:
ANALYST:
NO DISCHARGE INDICATOR: AL

PARAMETER	Mercury, Total In Sludge	Molybdenum In Sludge				
PARAMETER CODE	71921	78465				
UNITS	mg/kg	mg/kg				
FREQUENCY	1/Month	1/Month				
SAMPLING TYPE	Composite	Composite				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04						
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09						
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18						
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23						
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29						
2021-11-30						
Minimum						
Maximum						
Average						
Count						
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time
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SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 601
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB:
ANALYST:
NO DISCHARGE INDICATOR: AL

PARAMETER	Hydraulic Loading Rate (HLR)	Sludge Solids, Percent Total	Sludge Solids, Percent Volatile	COD, Soluble	Organic Loading Rate (OLR)		
PARAMETER CODE	51028	70318	70322	80116	99981		
UNITS	GPD	%	%	mg/l	lb/cf/day		
FREQUENCY	1/Week	1/Week	1/Week	1/Week	1/Week		
SAMPLING TYPE	Continuous	Composite	Composite	Composite	Continuous		
2021-11-01							
2021-11-02							
2021-11-03							
2021-11-04							
2021-11-05							
2021-11-06							
2021-11-07							
2021-11-08							
2021-11-09							
2021-11-10							
2021-11-11							
2021-11-12							
2021-11-13							
2021-11-14							
2021-11-15							
2021-11-16							
2021-11-17							
2021-11-18							
2021-11-19							
2021-11-20							
2021-11-21							
2021-11-22							
2021-11-23							
2021-11-24							
2021-11-25							
2021-11-26							
2021-11-27							
2021-11-28							
2021-11-29							
2021-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	Signature of Responsible Official or Authorized Representative	Submission Date/Time
Jeffrey Williamson			Certification Version Date 2021-12-20 11:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315
COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 602
MONITORING PERIOD : 2021-11-01 To: 2021-11-30
REPORTING LAB: Renergy
ANALYST: Jeremy Kanaird
NO DISCHARGE INDICATOR:

PARAMETER	Temperature, In Sludge	pH	Alkalinity, Total (CaCO3)	Volatile Fatty Acids (VFA)	Detention Time, days		
PARAMETER CODE	99978	00400	00410	99980	72026		
UNITS	F	S.U.	mg/l	mg/l	days		
FREQUENCY	1/Day	3/Week	3/Week	3/Week	1/Week		
SAMPLING TYPE	Continuous	Composite	Composite	Composite	Continuous		
2021-11-01	99	7.607					
2021-11-02	99		4946	555.8			
2021-11-03	99	7.451					
2021-11-04	99		5746	273.6	30		
2021-11-05	99	7.337	5688	1005.66			
2021-11-06	99						
2021-11-07	99	7.453					
2021-11-08	99		5645	399.76			
2021-11-09	99	7.338					
2021-11-10	99		5082	432.96			
2021-11-11	99	7.354					
2021-11-12	99		5152	520.94	30		
2021-11-13	99	7.348					
2021-11-14	99						
2021-11-15	98	7.364	6391	427.98			
2021-11-16	99						
2021-11-17	94	7.462	6454	461.18			
2021-11-18	90				30		
2021-11-19	85	7.529	4816	285.22			
2021-11-20	84						
2021-11-21	82	7.551					
2021-11-22	80		5134	510.98			
2021-11-23	83	7.567	4030	167.36			
2021-11-24	86						
2021-11-25	89	7.581			30		
2021-11-26	92		5043	510.98			
2021-11-27	93	7.557					
2021-11-28	95						
2021-11-29	97	7.548	4210	494.38	30		
2021-11-30	100		5548	530.54			
Minimum		7.337	4030.0	167.36	80.0		
Maximum		7.607	6454.0	1005.66	100.0		
Average			5277.5	469.81	94.43333		
Count		15	14	14	30		
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time	
Jeffrey Williamson						Certification Version Date 2021-12-20 11:12	

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SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 603
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB:
ANALYST:
NO DISCHARGE INDICATOR: AL

PARAMETER	Solids, Total Volatile	Sludge Solids, Percent Volatile	COD, Soluble	Oil and Grease, Hexane Extr Method	Foreign Matter, percent		
PARAMETER CODE	00157	70322	80116	00552	99979		
UNITS	% Removed	%	mg/l	mg/l	%		
FREQUENCY	1/Week	1/Week	1/Week	1/Month	1/Month		
SAMPLING TYPE	Calculated	Composite	Composite	Composite	Composite		
2021-11-01							
2021-11-02							
2021-11-03							
2021-11-04							
2021-11-05							
2021-11-06							
2021-11-07							
2021-11-08							
2021-11-09							
2021-11-10							
2021-11-11							
2021-11-12							
2021-11-13							
2021-11-14							
2021-11-15							
2021-11-16							
2021-11-17							
2021-11-18							
2021-11-19							
2021-11-20							
2021-11-21							
2021-11-22							
2021-11-23							
2021-11-24							
2021-11-25							
2021-11-26							
2021-11-27							
2021-11-28							
2021-11-29							
2021-11-30							
Minimum							
Maximum							
Average							
Count							
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time		
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FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 604
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Renergy
ANALYST: Josh Ropke
NO DISCHARGE INDICATOR:

PARAMETER	Freeboard	Maximum Operating Level (MOL), Sludge				
PARAMETER CODE	82564	99977				
UNITS	feet	mgals				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	Total	Total				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04	6.00000	5.48507				
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09	6.10000	5.48507				
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18	6.10000	5.48507				
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23	6.10000	5.48507				
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29	6.10000	5.48507				
2021-11-30						
Minimum	6.0					
Maximum	6.1					
Average	6.08					
Count	5					
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time	
Jeffrey Williamson					2021-12-20 11:12	

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FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 605
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Renergy
ANALYST: Josh Ropke
NO DISCHARGE INDICATOR:

PARAMETER	Freeboard	Maximum Operating Level (MOL), Sludge				
PARAMETER CODE	82564	99977				
UNITS	feet	mgals				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	Total	Total				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04	.40000	.38769				
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09	.45000	.38769				
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18	.45000	.38769				
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23	.47500	.38769				
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29	.47500	.38769				
2021-11-30						
Minimum	0.4					
Maximum	0.475					
Average	0.45					
Count	5					
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time	
Jeffrey Williamson					Certification Version Date 2021-12-20 11:12	

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 606
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Renergy
ANALYST: Josh Ropke
NO DISCHARGE INDICATOR:

PARAMETER	Freeboard	Maximum Operating Level (MOL), Sludge				
PARAMETER CODE	82564	99977				
UNITS	feet	mgals				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	Total	Total				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04	.50000	.33176				
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09	.35000	.33176				
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18	.40000	.33176				
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23	.46000	.33176				
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29	.46000	.33176				
2021-11-30						
Minimum	0.35					
Maximum	0.5					
Average	0.434					
Count	5					
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time	
Jeffrey Williamson					Certification Version Date 2021-12-20 11:12	

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 607
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Renergy
ANALYST: Josh Ropke
NO DISCHARGE INDICATOR:

PARAMETER	Freeboard	Maximum Operating Level (MOL), Sludge				
PARAMETER CODE	82564	99977				
UNITS	feet	mgals				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	Total	Total				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04	2.56000	2.85714				
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09	2.56000	2.85714				
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18	2.56000	2.85714				
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23	2.56000	2.85714				
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29	2.56000	2.85714				
2021-11-30						
Minimum	2.56					
Maximum	2.56					
Average	2.56					
Count	5					
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time	
Jeffrey Williamson					Certification Version Date 2021-12-20 11:12	

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 608
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Renergy
ANALYST: Josh Ropke
NO DISCHARGE INDICATOR:

PARAMETER	Freeboard	Maximum Operating Level (MOL), Sludge				
PARAMETER CODE	82564	99977				
UNITS	feet	mgals				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	Total	Total				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04	1.26000	1.36200				
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09	1.26000	1.36200				
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18	1.26000	1.36200				
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23	1.29000	1.36200				
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29	1.29000	1.36200				
2021-11-30						
Minimum	1.26					
Maximum	1.29					
Average	1.272					
Count	5					
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time	
Jeffrey Williamson					2021-12-20 11:12	

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: 1107774
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
 Cardington, OH 43315

COUNTY: Morrow
DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204*BD
STATION CODE: 609
MONITORING PERIOD : 2021-11-01 To: 2021-11-30

REPORTING LAB: Renergy
ANALYST: Josh Ropke
NO DISCHARGE INDICATOR:

PARAMETER	Freeboard	Maximum Operating Level (MOL), Sludge				
PARAMETER CODE	82564	99977				
UNITS	feet	mgals				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	Total	Total				
2021-11-01						
2021-11-02						
2021-11-03						
2021-11-04	19.60000	20.76969				
2021-11-05						
2021-11-06						
2021-11-07						
2021-11-08						
2021-11-09	18.80000	20.76969				
2021-11-10						
2021-11-11						
2021-11-12						
2021-11-13						
2021-11-14						
2021-11-15						
2021-11-16						
2021-11-17						
2021-11-18	18.80000	20.76969				
2021-11-19						
2021-11-20						
2021-11-21						
2021-11-22						
2021-11-23	18.80000	20.76969				
2021-11-24						
2021-11-25						
2021-11-26						
2021-11-27						
2021-11-28						
2021-11-29	18.80000	20.76969				
2021-11-30						
Minimum	18.8					
Maximum	19.6					
Average	18.96					
Count	5					
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative	Submission Date/Time	
Jeffrey Williamson					Certification Version Date 2021-12-20 11:12	

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156
Cardington, OH 43315

PERMIT NUMBER:
MONITORING PERIOD :

4IN00204*BD
2021-11-01 To: 2021-11-30

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
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